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SEQUENCE LISTING

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Huber, Steven C
Larabell, Carolyn A

<120> SYNTHETIC PEPTIDES THAT CAUSE F-ACTIN BUNDLING AND BLOCK ACTIN
DEPOLYMERIZATION

<130> JIB-1571PCT

<140> Not yet assigned

<141> 2004-10-20

<150> US 60/513,275

<151> 2003-10-20

<160> 24

<170> PatentIn version 3.2

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<211> 15

<212> PRT

<213> Zea mays

<220>

<221> peptide

<222> (1)..(15)

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Glu Asn Gly Ile Val Arg Lys Trp Ile Ser Arg Phe Glu Val Trp
1 5 10 15

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<211> 15

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<213> Zea mays

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<222> (1)..(15)

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Glu Asn Gly Ile Leu Arg Lys Trp Ile Ser Arg Phe Asp Val Trp
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<222> (1)..(15)

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Glu Asn Gly Ile Val Arg Lys Trp Ile Ser Arg Phe Glu Val Trp
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Glu Asn Gly Ile Leu Lys Lys Trp Ile Ser Arg Phe Asp Val Trp
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 <213> Drosophila melanogaster, Homo sapiens

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Glu His Gly Ile Val Thr Asn Trp Asp Asp Met Glu Lys Ile Trp
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Glu His Gly Ile Ile Thr Asn Trp Asp Asp Met Glu Lys Ile Trp
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Glu His Gly Ile Val Lys Asp Trp Asn Asp Met Glu Arg Ile Trp

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Ile	Leu	Arg	Val	Pro	Phe	Arg	Thr	Glu	Asn	Gly	Ile	Val	Arg	Lys
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Gly	Ile	Val	Arg	Lys	Trp	Ile	Ser	Arg	Phe	Glu	Val	Trp	Pro	Tyr	Leu
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<220>
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 <223> replaced Tryptophan residue with Alanines

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 <221> SITE
 <222> (13)..(13)
 <223> replaced Tryptophan residue with Alanine

<400> 13

Gly	Ile	Val	Arg	Lys	Ala	Ile	Ser	Arg	Phe	Glu	Val	Ala	Pro	Tyr	Leu
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Ser Arg Phe Glu Val Trp Pro Tyr Leu
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Gly Pro Thr Leu Lys Arg Thr Ala Ser Thr Ala Phe Met Asn Thr Thr
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Ser Lys Lys

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Gly Arg Met Arg Arg Ile Ala Thr Val Glu Met Met Lys Lys
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 synthetic peptide

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Trp Ile Ser Arg Phe Glu Val Trp
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Arg Arg Ile Ser Ser Val Glu Asp Lys Lys
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Glu His Gly Ile Val Thr Asn Trp Asp Asp Met Glu Lys Ile Trp His
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His Thr Phe Tyr
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<210> 20
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<213> Homo sapiens

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synthetic peptide

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Trp Ile Ser Arg Phe Glu Val Trp Pro Tyr Leu Lys Lys
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<400> 24

Glu	Asn	Gly	Ile	Val	Arg	Lys	Trp	Ile	Ser	Arg	Phe	Glu	Val	Trp	Pro
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Tyr	Leu	Lys	Lys
			20